Fireworks Display Safety Class

Please see the instructions to this class before taking the following examination.

1. The person who has overall responsibility for the setup, conduct, firing, and fireworks safety of

a display (both crew and public) is called the:

2. The person responsible for crowd control is called the:

A. ShooterB. MonitorC. SpotterD. Operator

A. Shooter

	C.	Monitor Spotter Operator			
3.	3. The person responsible for igniting the fireworks is called the:				
	В. С.	Shooter Monitor Spotter Operator			
4.	4. The person responsible for observing the fireworks for proper functioning is called the:				
	В. С.	Shooter Monitor Spotter Operator			
5.	The wor	rd shall indicates a mandatory requirement.			
		True False			
6.	5. The time between the ignition of a fuse at the tip and the firing of the shell shall be:				
	B. C.	More than three seconds Less than six seconds Both A and B None of the above			
7.	Salutes	over 3 inches in diameter or over three inches long shall be permitted to be used only			
	В. С.	By licensed operators Under the direct control of a professional fireworks company. A or B Anyone			

9. As soon as fireworks are delivered to the display site,				
A. They must be constantly attended until they are ignited.B. Shall be kept dry.				
C. Unauthorized persons and the public must be kept at least 50 feet awayD. All of the above				
10. Assembly or repair of fireworks shall take place at least feet away from bulk storage of fireworks.				
A. 25 B. 50 C. 100 D. 200				
11. Ready boxes must:				
 A. Be portable and weather resistant. B. Protect the contents from burning or hot debris. C. Have a self closing cover D. All of the above 				
12. All mortars shall be carefully inspected for defects and suitability before placement.				
A. True B. False				
13. Where mortars are to be reloaded during a display, mortars of various sizes shall not be intermixed. Mortars of the same size shall be placed in groups, and the groups shall be separated from each other.				
A. True B. False				
14. Mortars shall be placed and spaced				
 A. So shells are propelled away from spectators B. So shells are propelled over the fallout area C. To allow maximum protection to spectators and crew. D. All of the above. 				
15. Buried mortars shall be buried to a depth of at least 2/3 to 3/4 of their length either in the ground or in above ground troughs or drums and				
A. Be separated at least 2 inches or ½ the diameter of the mortar from the side of any trough or drum.				
B. Be separated from adjacent mortars at least the distance equal to the internal diameter of the mortar.				
 C. Placed inside a plastic bag before burial if there is likelihood of moisture seeping in from the ground or sand. D. All of the above. 				

8. Single break aerial salute shells shall be preloaded into nonmetal mortars and may not be reloaded during the show.

A. True B. False

16. Mortars in racks or bundles:			
 A. Shall be secured or braced to stabilize them using stakes, legs, A-frames, side-boards, or equivalent means. B. May not be larger than 6 inches inside diameter. C. Must only be used to fire single break shells. D. Shall be placed to maximize audience safety. E. All of the above 			
17. Chain fused shells require additional measures to prevent adjacent mortars from being repositioned in the event a shell explodes in a mortar.			
A. True B. False			
18. Chain fused aerial shells shall not be permitted to be reloaded.			

20. The minimum size of the fallout area is determined by the size of the largest aerial shell to be

21. The minimum radius from the center to the edge of the display area shall be 70 feet per inch

22. Distances from the center of the display area to any health care, detention, or correctional

23. Distances from the mortar line to any bulk storage of materials having a flammability,

A. TrueB. False

fired.

19. The display site does not contain

A. The fallout areaB. The discharge areaC. The spectator viewing area

D. The assembly area

of shell diameter of the largest aerial shell to be fired.

explosive or toxic hazard shall be double the minimum distances.

facility shall be double the minimum distances.

24. The discharge area shall be located so that the trajectory of the shells shall not come within feet of any overhead object.				
A. 25 B. 50 C. 100 D. 150				
25. Ground display pieces shall be located a minimum of 75 feet, and multi-shot devices and roman candles shall be located a minimum of 125 feet from spectators and spectator parking areas.				
A. True B. False				
26. When mortars are to be placed vertically they shall be placed at or near the center of the display site.				
A. True B. False				
27. Mortars shall be permitted to be angled and displaced from the center of the display site to allow for the wind to carry shells away from the main spectator viewing areas up to a distance of from the center of the display site toward the main spectator viewing site.				
A. One fourthB. One thirdC. One halfD. Two thirds				
28. The mortars shall be angled so that any dud shells fall at a point approximately equal to the offset of the mortars from the center of the display site but in the opposite direction.				
A. True B. False				
29. The fallout area shall be a large open area.				
A. True B. False				
30. Which of the following is allowed in the fallout area while the display is being fired.				
A. spectatorsB. crew parkingC. combustible materialsD. none of the above				
31. One or more spotters shall be assigned to watch the flight and behavior of aerial shells and other fireworks for proper functioning. If any unsafe condition is detected the spotter shall signal the shooter to cease firing until the unsafe condition is corrected. The spotters shall be in direct communication with the shooter during the conduct of the display.				
A. True B. False				

32. Enforcement of crowd control is the sole duty of monitors.				
A. True B. False				
33. No person shall be allowed in the discharge area while under the influence of which could adversely affect judgment, mobility or stability.				
 A. Alcohol B. Narcotics C. Medication D. Emotional distress E. Any of the above. 				
34. Aerial shells shall be carried only by their bodies and shall never be carried by their fuses.				
A. True B. False				
35. Manually fired shells shall be ignited by lighting the tip of the fuse with a fusee, torch, portfire or similar device and as soon as the fuse is ignited				
 A. The shooter shall stand there and watch B. The shooter shall vacate the immediate mortar area. C. The shooter shall yell fire in the hole! D. The shooter shall put out the ignition source. 				
36. All shells larger than 6 inches in diameter shall be preloaded into mortars prior to the beginning of the display and fired by electrical ignition or other means of remote ignition that place the shooter at least 75 feet away from the mortar or behind a sturdy barricade at the time of the ignition of the lift charge.				
A. True B. False				
37. Following the display, the firing crew shall conduct an inspection of the fallout area for the purpose of locating any unexploded aerial shells or live components. This inspection shall be conducted before any public access to the site shall be permitted.				
A. True. B. False				
38. When only electrical ignition is used, the operator and all assistants shall be positioned a minimum of feet from any mortar or behind an approved protective barrier.				
A. 25 B. 50 C. 75 D. 100				
39. Manually operated electrical firing units shall be designed so that at least two positive actions shall be necessary to apply firing current to an electric match.				
A. True B. False				

- 40. When fireworks are being loaded or set up electrical cables shall be disconnected from the firing unit.
 - A. True B. False

Fireworks Display Safety Class Answer Sheet

NAME			
	(Please Print)		

	Answers		Answers
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